

Abstract

5 A slider is described with a resistive electro-lapping guide (ELG), which is
aligned with a structure in the write head such as the throat height or trailing
shield thickness and extends from the lapping region through the ABS and is
connected to pads on the surface of the slider. In a second embodiment the ELG
is disposed entirely in the section of the slider which will be removed by lapping.
Another embodiment of the invention is a system for single slider lapping which
10 simultaneously monitors the resistance of the read sensor or a read head ELG
and at least one ELG that is aligned with a structure in the write head. A
controller uses the resistance information to implement an algorithm which
decides when lapping should be terminated.

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